

Telemedicine Undefined



**Functional
e-Medicine Classification**



System Architecture Determination

- systems available?
- location(s)?
- frequency of need?
- file size (throughput)?
- new systems?



Bandwidth Determination

Telemedicine Undefined:

- telephone
- video-teleconference
- e-mail
- internet



CTA Functional e-Medicine Classification

class	operational requirements	examples
Class I	Realtime	
Ia	voice	voice analog & digital
Ib	image & voice	image analog & digital FAX
Ic	data, image & voice	data digital only CHAT
Class II	Interactive Programs	
IIa	Structured	text, image & multimedia
IIb	Unstructured	text, image & multimedia
Class III	Store & Forward	
IIIa	voice & text	snail mail & e-mail, FAX
IIIb	multimedia: voice, text, image	advanced e-mail
IIIc	groupware (collaborative)	con ops, PIC, Net Meeting
Class IV	Information Warehouse	
IVa	search engines	simple query
IVb	expert systems	rules & case based, active agents
IVc	artificial intelligence	artificial intelligence